

# INTERNATIONAL SEARCH REPORT

International Application No

PCT/EP2004/008158

A. CLASSIFICATION OF SUBJECT MATTER  
IPC 7 H04L12/14

According to International Patent Classification (IPC) or to both national classification and IPC

## B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC 7 H04L H04N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)

EP0-Internal, WPI Data, PAJ, INSPEC

## C. DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
X	WO 01/31883 A (NOMADIX INC ; ROBBINS BARRY R (US); SHORT JOEL E (US); GOLDSTEIN JOSH) 3 May 2001 (2001-05-03) abstract page 2, line 26 - page 8, line 6 page 12, line 5 - page 14, line 2 page 16, line 10 - page 21, line 32 -----	1-10
X	WO 00/14919 A (N C C EXPORT SYSTEMS 1995 LTD ; ALTER MEIR (IL)) 16 March 2000 (2000-03-16) abstract page 4, line 1 - page 5, line 2 page 9, line 31 - page 10, line 22 figure 2 ----- -/--	1-10

☒ Further documents are listed in the continuation of box C.

☒ Patent family members are listed in annex.

### \* Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

"E" earlier document but published on or after the international filing date

"L" document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

"Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art.

"Z" document member of the same patent family

Date of the actual completion of the international search

6 January 2005

Date of mailing of the international search report

20. 01. 2005

Name and mailing address of the ISA

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## C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

Category *	Citation of document, with indication, where appropriate, of the relevant passages	Relevant to claim No.
A	DE 199 41 461 A (DEUTSCHE TELEKOM MOBIL) 8 March 2001 (2001-03-08) abstract column 2, line 28 - column 3, line 20 column 4, line 14 - column 4, line 58 -----	1-10
X	WO 01/31861 A (NOMADIX INC ; TOOMEY DANIEL (US); DELLEY FREDERIC (US); LOGAN MARK F ( ) 3 May 2001 (2001-05-03) abstract page 2, line 29 - page 5, line 27 page 8, line 3 - page 10, line 18 page 14, line 10 - page 14, line 19 -----	1,7
X	EDELL, RICHARD; VARAIYA, PRAVIN: "Providing Internet Access: What we learn from INDEX"[Online] 1999, pages 1-17, XP002303522 Retrieved from the Internet: URL:http://paleale.eecs.berkeley.edu/~vara iya/papers_ps.dir/networkpaper.pdf> [retrieved on 2004-11-02] abstract paragraphs [0001], [0002]; figures 1,2 -----	1-10
X	GB 2 361 609 A (NDS LTD) 24 October 2001 (2001-10-24) abstract page 3, line 6 - page 3, line 25 page 10, line 8 - page 10, line 18 page 12, line 8 - page 12, line 19 page 15, line 9 - page 15, line 18 -----	1-10
X	"3GPP TS22.115 6.1.0: Technical Specification Group Services and System Aspects Service aspects; Charging and billing" 3GPP TECHNICAL SPECIFICATIONS, June 2003 (2003-06), pages 1-21, XP002312594 paragraphs [03.1], [0004], [4.3.1.1], [4.3.1.2], [4.3.1.3] -----	1-10
X	EP 1 239 619 A (MATSUSHITA ELECTRIC IND CO LTD) 11 September 2002 (2002-09-11) abstract paragraphs [0006] - [0024], [0031], [0034] - [0050], [0054]; figures 72,73 -----	1-10

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EP 1239619	A	11-09-2002	JP 2002335519 A	22-11-2002
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			EP 1239619 A2	11-09-2002

## INTERNATIONAL SEARCH REPORT

### Information on patent family members

International Application No.

PCT/EP2004/008158

Patent document cited in search report	Publication date	Patent family member(s)	Publication date
EP 1239619	A	US 2002129371 A1	12-09-2002

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International application No.

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## Box I Observations where certain claims were found unsearchable (Continuation of item 1 of first sheet)

This international search report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:

1. ☐ Claims Nos.:  
because they relate to subject matter not required to be searched by this Authority, namely:
  
2. ☐ Claims Nos.:  
because they relate to parts of the international application that do not comply with the prescribed requirements to such an extent that no meaningful international search can be carried out, specifically:
  
3. ☐ Claims Nos.:  
because they are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).

## Box II Observations where unity of invention is lacking (Continuation of item 2 of first sheet)

This International Searching Authority found multiple inventions in this international application, as follows:

**See Supplemental Sheet**

1. ☒ As all required additional search fees were timely paid by the applicant, this international search report covers all searchable claims.
2. ☐ As all searchable claims could be searched without effort justifying an additional fee, this Authority did not invite payment of any additional fee.
3. ☐ As only some of the required additional search fees were timely paid by the applicant, this international search report covers only those claims for which fees were paid, specifically claims Nos.:
  
4. ☐ No required additional search fees were timely paid by the applicant. Consequently, this international search report is restricted to the invention first mentioned in the claims; it is covered by claims Nos.:

Remark on Protest

☐

The additional search fees were accompanied by the applicant's protest.

☒

No protest accompanied the payment of additional search fees.

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**Box III**

The International Searching Authority has determined that this international application contains multiple (groups of) inventions, as follows:

1. Claims 1-10 (in part)

Association of at least two types of charging with a service.

2. Claims 1-10 (in part)

Association of a plurality of services with a user.